



CONCRETE REPAIR POLYMER

PRODUCT DATA SHEET



VersaFlex[®] INCORPORATED

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1. PRODUCT DESCRIPTION

VersaFlex Quick Mender[®] X.O. is a specially formulated polymer rapid repair product. In its basic low viscosity formulation, **Quick Mender[®] X.O.** may be used in a variety of unique applications to repair concrete substrates.

2. USES

VersaFlex Quick Mender[®] X.O. may be used with all **VersaFlex** rapid curing polyurea sealants. It is designed for use in both interior and exterior concrete repair applications.

Ideal for Applications in:

- Repairing spalls and cracks in traffic areas
- Restoring integrity to dusted concrete
- Filling pop-outs on horizontal surfaces
- Below grade repairs
- Parking deck repairs
- Spalled control joints
- Freezer applications
- Polished concrete floors
- Interior spaces

Advantages:

- Minimal Odor & Low VOC's
- Low viscosity in neat configuration will penetrate concrete for permanent bond
- Fast return to service in 30 minutes
- Can cure in -25°F. Cure time will be extended at lower temperatures
- Mix with dry industrial quartz to produce a durable polymer concrete
- May be mixed with polishing dust, Portland cement, silica flour, fumed silica, and cabosil
- Self-leveling
- May be feather edged
- Good chemical resistance

3. PHYSICAL PROPERTIES

VOC	1.8%
Solids Content	98.2%
Pot Life, <i>ASTM D1640</i>	3 - 4 Minutes
Tack Free <i>ASTM D1640</i>	15 - 20 Minutes
Tensile Strength (psi) <i>ASTM D638</i>	3300 - 4000
Tensile Elongation (%) <i>ASTM D638</i>	2 - 4
Tear Strength (lb/in) <i>ASTM D624</i>	175 - 200
Shore D Hardness <i>ASTM D2240</i>	60 - 65
Tabor Abrasion, mg wt loss (1000g, 1000 revs, H-18) <i>ASTM D4060</i>	400 - 500

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

4. PACKAGING & COLOR

- **110 Gallon Kit:** 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is approximated.
- **10 Gallon Kit:** 5 gallons of 'A' side and 5 gallons of 'B' side.
- **2 Gallon Kit:** 1 gallon of 'A' side and 1 gallon of 'B' side.
- **2 Quart Kit:** 1 quart of 'A' side and 1 quart of 'B' side.
- **600ML Cartridges:** 300ml of 'A' side and 300ml of 'B' side packaged as a duplex cartridge. Ten cartridges per case.

COLORS: Consult ColorFlex chart(s) at www.versaflex.com.

5. MIXING

Quick Mender® X.O. is a two-component product. Before using material, thoroughly shake the cartridge for a few minutes. When mixing by hand, pour part 'B' into part 'A' and mix for 8-10 seconds. Mix only as much product as can be placed in three minutes. If adding pigment to container kits, add 1 oz. of pigment to 10 oz. of the 'A & B' mixture. Stir the 'A & B' mixture thoroughly for 8-10 seconds to eliminate streaking and make color homogeneous.

6. SURFACE PREPARATION

Provide clean and dry concrete surface. When restoring surface integrity to dusted concrete, remove loose surface material. Abrasive blast or abrade surface per ICRI Technical Guideline No. 310.2R-2013 or SSPC SP 13 as required.

7. APPLICATION

- Use on dry concrete only. Material is sensitive to moisture.
- Carefully pour/dispense material to properly prepared area. Protect surrounding areas from excess material.
- Spread as necessary with squeegee or ¼" roller and allow to dry. Large areas should be primed with same material before full repair occurs.
- May be applied with steel bladed squeegee, ¼" nap roller or brush.
- Used in patching applications: holes, divots, pop outs and re-nosing of joints. Dry aggregate needs to be mixed into Quick Mender® X.O. ('A' & 'B' already mixed 1:1) or at a 3 to 1 ratio (aggregate to Quick Mender® X.O.), but not more than 4 to 1. 20 to 30 dry mesh is ideal size. Trowel as necessary.
- Please review Material Processing & Handling Information for further details. Quick Mender X.O. is not to be used on non-porous substrates. Quick Mender® X.O. may be top coated if desired, follow proper surface preparation procedures.
- When used in cold applications, allow for longer dry times before placing back into service or topcoating.

8. CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state, and federal laws.

9. SAFETY

Review SDS at www.versaflex.com. Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvek overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

10. PRECAUTION

Quick Mender® X.O. contains minimal odor and Volatile Organic Compounds (VOC's) which may be released during and for some period after installation producing odors and affecting air quality. To avoid possible contamination of sensitive substances and for protection of human health, ensure proper air ventilation of work areas until odors completely dissipate.

11. SHELF LIFE

One year from shipment date, in original, unopened factory containers, under normal storage conditions of 65°F to 95°F (18° - 35°C).

12. WARRANTY

During a period of one-year from date of shipping, VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defectively manufactured, provided the product has been stored and used properly. Except as expressly stated herein, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.